

BOTVINIK, Yefim Solomonovich; DMITRIYEV, Oleg Aleksandrovich; GEL'MAN, Moisey Isaakovich; TUPITSIN, Yuriy Semenovich; EL'BERT, Aleksandr Aronovich; VARAKSIN, F.D., red.; LEBEJEVA, I.D., red. izd-va; PARAKHINA, N.L., tekhn. red.

[Use of the continuous method for the manufacture of particle boards]Proizvodstvo struzhechnykh plit nepreryvnym sposobom. Moskva, Goslesbumizdat, 1961. 98 p. (MIRA 15:2)  
(Hardboard) (Assembly-line methods)

VARAKSIN, F.D.

Assist the industries in a better solving of their problems.  
Bum.prom. 37 no.6:1-3 Je '62. (MIRA 15:6)

1. Pervyy zamestitel' predsedatelya Gosudarstvennogo  
komiteta Soveta Ministrov SSSR po lesnoy, tsellyulozno-bumazhnoy,  
derevoobrabatyvayushchey promyshlennosti i lesnomu khozyaystvu.  
(Wood-using industries)

GRUBE, Aleksandr Eduardovich, prof.; VARAKSIN, E.D., red.;  
LYAKHOVICH, Ye.A., red. izd-va; VDOVINA, V.M., tekhn.  
red.

[Woodcutting tools with hard alloy plates; design and  
operation] Derevozrezhushchie instrumenty s plastinkami iz  
tverdykh splavov; konstruktsii i ekspluatatsiia. Moskva,  
Goslesbumizdat, 1963. 147 p. (MIRA 16:6)  
(Woodworking machinery) (Alloys)

VARAKIN, F.D.

Technological progress in the lumbering and woodworking industries. Mekh. i avtom. proizv. 18 no.11:12-19 1964  
(1964 18:2)

1. Zamestitel' predsedatelya Gosudarstvennogo komiteta po lesnoj, tsellyulozno-bumazhnoj i krepostobyl'yayushchey promyshlennosti i tsnom. kachyaystvo.

GRUBE, Aleksandr Eduardovich, doktor tekhn. nauk; SANEV, Valentin  
Il'ich, kand. tekhn. nauk; VARAKSIN, F.D., red.

[Automation of the machining of parts in the woodworking  
industries] Avtomatizatsiia stanochnoi obrabotki detalei v  
derevoobrabatyvaiushchei promyshlennosti. Moskva, Izd-vo  
"Lesnaia promyshlennost'," 1964. 540 p. (NIRA 17:7)

L 11158-86 EWT(d)/FSS-2/EWT(m)/EEC(k)-2/EWP(j)/T/EWA(c) WW/DJ/RM/BC

ACC NR: AP6000357

SOURCE CODE: UR/0286/65/000/021/0052/0052

AUTHORS: Varaksin, L. V.; Vakhrushev, Yu. A.

ORG: none

TITLE: Cardan suspension. Class 42, No. 176080

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 21, 1965, 52

TOPIC TAGS: gyroscope suspension, gyroscope component

ABSTRACT: This Author Certificate presents a Cardan suspension for a gyroscopic device, containing outer and inner frames mounted by journals in bearings. To decrease the gyroscope drift, an error compensator is inserted between the coupled parts of the bearing and ring (see Fig. 1). The compensator is made of material having a transient yield or plasticity, e.g., of cold hardening epoxy compound. The material allows the required spacing of the bearing in the ring to take place during this phase.

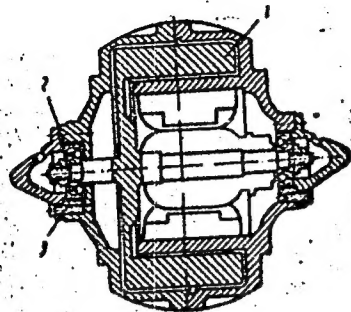
Card 1/2

UDC: 621.822.7-752.4-531.4:666.968.8

L 11158-66

ACC NR: AP6000357

Fig. 1. 1 - Rotor; 2 - bearing;  
3 - compensator.



Orig. art. has: 1 diagram.

SUB CODE: 17/ SUBM DATE: 07Jan65

CC  
Card 2/2

VARAKSIN, N.

Results of using complex norms in the Tallin Harbor. Mor.flot  
20 no.1:12-14 Ja '60. (MIRA 13:5)

1. Nachal'nik Otdela truda i zarplaty Tallinskogo morskogo porta.  
(Tallinn—Cargo handling)  
(Wages)



V. JAKSHIN, N.

Mechanizing the cargo handling work in a distributive cold storage warehouse. Sov. torg. 34 no.6:50-52 Je '61.

(MIRA 14:7)

(Moscow Province--Cold storage warehouses)

VARAKSIN, N.

Simplify the planning and accounting for the operation of sea ports.  
Mor. flot 25 no.2:11 F '65. (MIRA 12:4)

1. Nachal'nik Tallinskogo morskogo trgovogo porta.

VYSTRELKOV, I.N.; VARAKSIN, N.F.

Packaged freight transportation. Khol.tekh. 40 no.1:51 Ja-F '63.  
(MIRA 16:3)

(Refrigerated motortrucks)

SHER, Aleksandra Aleksandrovna; VARAKSIN, Nikolay Georgiyevich;  
KRUGLOVA, Ye.M., red.; USANOVA, N.B., tekhn. red.

[Wages for sea harbor workers] Oplata truda rabotnikov morskikh  
portov. Moskva, Izd-vo "Morskoi transport," 1962. 135 p.  
(MIRA 16:2)

(Wages--Longshoremen) (Wages--Cargo handling)

VARANOV, M. Ye., Eng.      Cand. Tech. Sci.

Dissertation: "Elimination of Dust in Drilling Blast Holes with Flooding."  
Moscow Mining Inst ineni I. V. Stalin, 10 Apr 47.

SO: Vostochnaya Moskva, Apr, 1947 (Project #17236)

VARAKSIN, N.Ye.

Quality of drill steel used in hole boring with flushing. Bul.  
TSIIN tsvet. met. no.9:6-7 '58. (MIRA 11:6)  
(Tool steel) (Boring machinery)

VARAKSIN, V.

How we work with young workers. Zhil.-kom.khoz, 9 no.11:3-4  
'59. (MIRA 13:2)

1. Ministr kommunal'nogo khozyaystva Karel'skoy ASSR.  
(Karelia--Municipal services)

VARAKSIN, V.

The boilers need one master. Zhil.-kom. khoz. 12 no.2:28 F '62.  
(MIRA 15:7)

1. Ministr kommunal'nogo khozyaystva Karel'skoy ASSR.  
(Petrozavodsk—Heating) (Boilers)



VARAKSIN, V. A.

PA 59/49T4

SR/Engineering Hydroelectric Power Stations Construction

Jul 49

"Water Spray Over Hydrotechnical Constructions," Prof N. S. Vizgo, A. M. Strel'tsov,  
V. A. Varaksin, Engineers, 2 pp.

"Gidrotekh Stroi" No 7

Water spray damaging equipment at hydroelectric power stations has been a great problem. Describes experiments conducted at VNIIG and SAMIRI to determine best-type sluices for hydroelectric installations. Problem is very great at Ak-Top and Ak-Kavak I installations where in winter severe icing conditions occurred. Ak-Kavak II has sluices built according to specifications submitted by above-mentioned institutions, and has much less trouble with water spray and icing.

PA 59/49T4

VARAKSIN, V. A.

~~22446~~. VARAKSIN, V. A. Vodyanaya-pyl' nad gidrotekhnicheskimi sooruzheniyami.  
Gidrotekhi. Stroit-Vo, 1949 No. 7 - S, 20-21

SO: LETOPIS' No. 30, 1949

VARAKSIN, V. A.

VARAKSIN, V.A.

[Experience in operating hydrotechnical equipment of hydro-  
electric power stations] Opyt eksploatatsii gidrotekhnicheskikh  
sooruzhenii gidroelektrostantsii. Moskva, Gos. energ. izd-vo,  
1950. 158 p. (MLRA 7:5)  
(Hydroelectric power stations)

VALEKSLIN, V.A.

"Opyt Eksploatatsii Gidrotekhnicheskikh Sooruzheniy Gidroelek-  
trostantsiy"

M-L Gosenergoizdat 1950 159 str

VARAKSIN, V. A.

USSR/Engineering - Hydraulics, Dams Oct 51

"Preventive Tests of the Dams of Diversion  
Canals," V. A. Varaksin, Engr

"Gidrotekh Stroi" No 10, pp 8, 9

Describes testing procedure for dams operated  
under conditions of possible but infrequent rise  
of water above normal operational level. Tests  
are conducted once every yr. Reviews causes of  
accidental water rises and damages which dams  
may suffer in case of neglecting proper testing.

201T101

VARAKSIN, V.A., inzhener.

Requirements for gates of intake tubes of a hydroelectric power plant.  
Gidr.stroi. 23 no.3:32-34 '54. (MIRA 7:6)  
(Hydroelectric power stations)

VARAKSIN, V. A.

Varaksin, V. A.

"Problems of Rationalizing the Design and Technical Operation of Pressure Basins for Hydroelectric Power Stations." Min Higher Education U SR. Central Asia Polytechnic Inst. Tashkent, 1955. (Dissertation for the Degree of Candidate in Technical Sciences).

SO: Knizhnaya Letopis', No. 27, 2 July 1955.

VARAKSIN, V. B.

AUTHORS: G. T. and M. R.

8/089/62/013/006/019/027  
B102/B186

TITLE: Nauchnaya konferentsiya Moskovskogo inzhenerno-fizicheskogo instituta (Scientific Conference of the Moscow Engineering Physics Institute) 1962

PERIODICAL: Atomnaya energiya, v. 13, no. 6, 1962, 603 - 606

TEXT: The annual conference took place in May 1962 with more than 400 delegates participating. A review is given of these lectures that are assumed to be of interest for the readers of Atomnaya energiya. They are following: A. I. Leypunskiy, future of fast reactors; A. A. Vasil'yev, design of accelerators for superhigh energies; I. Ya. Pomeranchuk, analyticity, unitarity, and asymptotic behavior of strong interactions at high energies; A. B. Migdal, phenomenological theory for the many-body problem; Yu. D. Fivyskiy, deceleration of medium-energy antiprotons in matter; Yu. M. Kogan, Ya. A. Iosilevskiy, theory of the Mössbauer effect; M. I. Ryazanov, theory of ionisation losses in nonhomogeneous medium; Yu. B. Ivanov, A. A. Rukhadse, h-f conductivity of subcritical plasma;

Card 1/4



35

Nauchnaya konferentsiya...

8/089/62/013/006/019/027  
B102/B186

design of 30-Mev electron linear accelerator; Ye. G. Pyatnov, A. A. Glazkov, V. G. Lopato, A. I. Finogenov, G. M. Skepskiy, V. D. Seleznev, experimental characteristics of low-energy electron linear accelerators; G. A. Zeytlenk, V. M. Levin, S. I. Piskunov, V. L. Smirnov, V. K. Khokhlov, radiocircuit parameters of ЛУЭ (LUE)-type accelerators; O. A. Tyagunov, O. A. Val'dner, B. M. Gokhberg, S. I. Korshunov, V. I. Kotov, Ye. M. Moroz, accelerator classification and terminology; O. S. Milovanov, V. B. Varaksin, P. R. Zenkevich, theoretical analysis of magnetron operation; A. G. Tragov, P. R. Zenkevich, calculation of attenuation in a diaphragmated waveguide; Yu. P. Lazarenko, A. V. Ryabtsev, optimum attenuation length for linear accelerator; A. A. Zhigarev, R. Ye. Yeliseyev, review on trajectographs; I. G. Morozova, O. A. Tyagunov, review on more than 500 ion sources; M. A. Abroyan, V. L. Komarov, duoplasmatron-type source; V. S. Kusnetsov, A. I. Solnyshkov, calculation and production of intense ion beams; V. M. Rybin (Ye. V. Arsenkiy), inductive current transmitters of high sensitivity; V. I. Korosa, O. A. Tyagunov, kinetic description of linear acceleration of relativistic electrons; A. D. Vlasov, phase oscillations in linear accelerators; E. L. Burshteyn, G. V. Voskresenskiy, beam field effects in the waveguide of an electron linear accelerator; R. S. Bobovikov,

Card 3/4

ACCESSION NR: AT4019729

S/2759/63/000/005/0138/0145

AUTHOR: Varaksin, V. B.; Milovanov, O. S.

TITLE: Internal pulse modulation of magnetron frequency when it is operating on a linear electron accelerator

SOURCE: Moscow. Inzhenerno-fizicheskii Institut. Uskoriteli (Accelerators), no. 5, 1963, 138-145

TOPIC TAGS: magnetron, magnetron frequency, linear accelerator, electron accelerator, anode voltage, electromagnetic wave, electron acceleration, radio pulse spectrum, frequency modulation

ABSTRACT: The frequency variation of the oscillations generated by a magnetron during pulsing is called the internal pulse modulation, and is caused by two closely related phenomena: the instability of the anode voltage magnitude and the establishment of the frequency. The present paper gives the results of calculations and experimental observations of the internal pulse modulation of the magnetron frequency when it feeds a linear electron accelerator. The following conclusions are obtained: 1) the magnetron operation gives rise to a parasitic frequency modulation caused by the effects of electron mixing of the frequency and by the multiple reflections of the electromagnetic wave at the discontinuities of the

Card

1/2

ACCESSION NR: AT4019729

channel; 2) the parasitic frequency modulation leads to a blurring of the radio-pulse spectrum and to the broadening of the energy spectrum of the accelerated electrons; 3) the distortions in the radio-pulse spectrum are expressed in terms of the carrier frequency modulation index. Orig. art. has: 7 formulas and 4 figures.

ASSOCIATION: Inzhenerno-fizicheskii institut, Moscow (Engineering-Physics Institute)

SUBMITTED: 00

DATE ACQ: 19Mar64

ENCL: 00

SUB CODE: NP, EE

NO REF SOV: 007

OTHER: 001

Card 2/2

VARAKSIN, Vladimir Ivanovich; PAVLOVA, K.A., red.

[Advantages of uniting heating boilers in one organization] Chto daet ob"edinenie otopitel'nykh kotel'nykh v  
odnoi organizatsii. Moskva, Stroiizdat, 1965. 37 p.  
\* (MIRA 18:3)

AUTHOR: Varaksin, Ya. 107-58-6-23/58  
TITLE: What Is "Radio War"? (Chto takoye "radiovoyna")  
PERIODICAL: Radio, 1958, Nr 6, pp 16-18 (USSR)  
ABSTRACT: The article is based on materials obtained from Western publications and deals with various aspects of military applications of radar and appropriate countermeasures against radar detection. Mostly, the experience obtained during World War II is listed.  
There are three sketches.

Card 1/1 1. Radar-Military applications 2. Radar-Detection

6(4); 7(7); 9(0)

PHASE I BOOK EXPLOITATION

SOV/3183

Varaksin, Yakov Gavrilovich

Radioelektronika v voyennom dele (Military Use of Radioelectronics) Moscow, Voenizdat, 1958. 283 p. (Series: Nauchno-populyarnaya biblioteka)  
No. of copies printed not given.

Ed. (Title page): V. I. Siforov, Corresponding Member, USSR Academy of Sciences;  
Ed. (Inside book): Ya. M. Kader; Consultants of the Publishing House:  
K.N. Trofimov, Engineer-Colonel, and A.V. Tarantsev, Colonel; Tech. Ed.:  
O.I. Garkusha.

PURPOSE: The book is intended for readers with a knowledge of electrical engineering, mathematics and physics at the Soviet secondary school level.

COVERAGE: The author describes the various applications of radioelectronics for military purposes in the following fields: radio communications, radar, radio navigation, hydro-and aeroacoustics, radio meteorology, television, electronic computers, remote control, telemetering, infrared and ultraviolet techniques, semiconductors, rocket control systems etc. The author indicates ways for

Card 1/4

Military Use of Radioelectronics

SOV/3183

further improving many kinds of weapons as a result of developments in radio-electronics, automatic and remote control, computers, etc. The examples given of achievements in electronics are drawn chiefly from non-Soviet sources (mainly British and American periodicals) The few Soviet examples mentioned are taken from press reports of TASS and Pravda and from Khrushchev's speeches (see pages 244, 250, 252, 255 and 279). No personalities are mentioned. There are 44 references: 16 Soviet (3 are translations) and 28 English.

TABLE OF CONTENTS:

Introduction	3
Ch. 1. Radioelectronics and Communications	17
Radio communications	18
Radio relay communications systems	30
Wave propagation	33
Other forms of communications	41
Ch. Radioelectronics and Observation	44
Radar	44
Card 2/4	

Military Use of Radioelectronics

SOV/3183

Television	78
Infrared devices for night vision and heat direction finders	96
Hydroacoustical facilities	109
Ch. 3. Radioelectronics and Controlled Weapons	116
General principles of automation and remote control	116
Military uses of automation and remote control	118
Ch. 4. Use of Radioelectronics in Navigation	159
Radio and radar aids to navigation	159
Radio aids in celestial navigation	178
Inertial systems for dead reckoning	182
Instruments for celestial navigation	185
Automatic dead reckoning system for air navigation	
based on the Doppler-Belopol'skiy effect (MTI system)	188
Radio landing systems	194
Automatic system of air traffic control	199
Ch. 5. Application of Radar in Meteorology	211
Card 3/4	



Military Use of Radioelectronics	80V/3183
Ch. 6. Use of Radioelectronics in Other Military Fields	230
Ch. 7. Effect of Developments in Radioelectronics on Changes in Weapon Specifications and on the Character of Conducting Warfare	243
Ch. 8. Radio Reconnaissance and Radio Interference	259
Equipment of radioelectronic reconnaissance	260
Radio jamming	262
Some conclusions	269
Conclusions	271
AVAILABLE: Library of Congress (U6485.V3)	

Card 4/4

JP/gap  
2-19-60

VARAKSIN, V.N., dotsent

Methodological aspects of teaching the preparation of a course  
project, Sbor. metod. rab. Bel. politekh, inst. no. 1:71-76  
'59. (MIRA 14:1)  
(Architecture --Study and teaching)  
(Project method in teaching)

MAKLETSOVA, N.N.; BELOGORTSEV, I.D.; VARAKSIN, V.N.; YELISEYEV, I.K.;  
ZYSMAN, A.I.; VOINOV, A.P., prof., retsenzent; CHECHKO, E.I.,  
red.; KUZ'MENOK, P.T., tekhn.red.

[Principles of designing apartment houses] Osnovy proektirovaniia  
zhilykh zdani. Minsk, Red.-izdat.otdel, Belorusskogo politekhn.  
in-ta im. I.V.Stalina, 1960. 194 p. (MIRA 13:8)

1. Minsk. Belorusskiy politekhnicheskii institut. 2. Deystvitel'-  
nyy chlen Akademii stroitel'stva i arkhitektury SSSR i chlen-  
korrespondent Akademii nauk BSSR (for Voinov).

(Apartment houses)

(Architecture--Designs and plans)

KRAKHIN, N.S.; VARAKSIN, V.N.; STUDENTSOV, V.I.

Pre-cast reinforced-concrete timbers in the mines of East Kazakhstan.  
Gor.zhur. no.3:70-71 Mr '60. (MIRA 14:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut tsvetnykh metallov,  
Ust'-Kamenogorsk (for Krakhin, Varaksin). 2. Lenino-shakhtostroyu-  
pravleniye (for Studentsov).

(East Kazakhstan Province—Mine timbering)

VARAKSIN, Vadim Nikolayevich; SHILKIN, Petr Ivanovich; ZYRYANOV,  
Timofey Pavlovich; KOROGOD, Grigoriy Alekseyevich;  
MIL'CHENKO, Dmitriy Vladimirovich; POLYAKH, V.A., otv.  
red.; VUROS, R.F., red.; UTEPOV, Zh.K., tekhn. red.

[Rod bolting in the Rudnyy Altai] Shtangovaia krep' na  
Rudnom Altae. Alma-Ata, TSentr. in-t nauchn.-tekhn.  
informatsii, 1960. 19 p. (MIRA 17:2)

TIKHONOV, Ivan Ivanovich; VARAKSIN, Ya.G., red.; FILIMONOV, I.M., red.;  
PAYNSHMIDT, F.Ya., tekhn.red.

[Radio electronics and its military applications] Radioelektro-  
nika i ee voennoe primeneniye. Moskva, Izd-vo DOSAAF, 1960. 78 p.  
(MIRA 13:2)

(Electronics in military engineering)

VARAKSINA, A.S.

Influence of chemical preparations on the microbiological processes  
and quality of silage. *Mikrobiologiya* 30 no.1:140-145 Ja-7 '61.

(MIRA 14:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy insitut sel'skokhozyaystvennoy  
mikrobiologii, Leningrad.

(ENSILAGE—MICROBIOLOGY)

VARAKSINA, A.S., kand. sel'skokhoz. nauk; POZHARINSKAYA, N.A.

Effect of the nitrogenization of seed on the microflora and yield  
of forage beans. Agrobiologiya no.1:25-31 Ja-P '65. (MIRA 18:4)

1. Yestestvennonauchnyy institut pri Permskom gosudarstvennom  
universitete, Perm'.



-- Varaksina, A.V. .....

The effect of bonding phase.

Title: Seminar on refractory metals, compounds, and alloys (Kiev, April 1963).

Source: Atomnaya energiya, v. 15, no. 3, 1963, 266-267

5 (2,3)

AUTHORS:

Gromova, M. I., Varaksina, I. F.,  
Peshkova, V. M.

SOV/55-58-6-22/31

TITLE:

Spectrophotometric Investigations of the Complex Compounds of  
Samarium With Citric Acid, Lactic Acid and Trioxylglutaric Acid  
(Spektrofotometricheskoye issledovaniye kompleksnykh soyedine-  
niy samariya s limonnoy, molochnoy i trioksiglutarovoy kislotami)

PERIODICAL:

Vestnik Moskovskogo universiteta. Seriya matematiki, mekhaniki,  
astronomii, fiziki, khimii, 1958, Nr 6, pp 171 - 179 (USSR)

ABSTRACT:

Various scientific treatises have permitted the statement (Refs  
2,6,11-13) that the absorption spectra of the rare earth ele-  
ments change in the course of the formation of the complexes.  
The absorption maxima are displaced in dependence of the con-  
centration of the complex forming addition and of the change  
of the pH-value of the solution. This displacement permits con-  
clusions to be drawn on the stability of the various complex  
compounds of the rare earth elements as well as on the pH range  
in which they exist. From this point of view the investigations  
mentioned in the title were carried out. The SF-4 spectro-pho-  
tometer was employed for the measurement of the absorption  
spectra whilst the pH-value of the solutions was ascertained

Card 1/3

Spectrophotometric Investigations of the Complex      SOV/55-58-6-22/31  
Compounds of Samarium With Citric Acid, Lactic Acid  
and Trioxylglutaric Acid

by means of the potentiometer LP-5, provided with a glass electrode. The initial solution was a samarium-perchlorate solution. In order to determine the exact position of the maxima of the samarium ion the initial solution was taken spectro-photometrically (The respective data are found in table 1 and in Fig 1) and the data obtained were then compared with those of Prandtl, Ref 10. The molar absorption coefficients of the principal maxima agreed with data from publications (Refs 3,7,8,9). The further modifications of the samarium spectrum in the presence of the complex forming addition were observed on the wavelength of the absorption maximum  $\lambda=401\text{m}\mu$ . The spectra of solutions having different pH values and different ratios of samarium and complex-forming additions were taken (Figs 3 and 4). The limits of the pH values within which the various complex compounds are capable of existing, are compiled in the tables 3,4,5. In the pH-value field 1-12 2 complex compounds of samarium with the citric acid and also trioxylglutaric acid were ascertained, as well as one compound with the lactic acid in an acid medium. In basic media only hydroxide precipitates are

Card 2/3

Spectrophotometric Investigations of the Complex      80V/55-58-6-22/31  
Compounds of Samarium With Citric Acid, Lactic Acid  
and Trioxylglutaric Acid

formed. The stability of these complex compounds was investigated with respect to hydroxyl ions, oxalate ions and fluoride ions. Photometrical data permitted the conclusion to be drawn that the compounds with citric acid and trioxylglutaric acid exhibit about the same degree of resistance, and that they are by far more resistant than the compound with the lactic acid. The authors thank G. K. Yeregin and L. I. Martynenko for placing the spectrally pure samarium salt at their disposal. There are 4 figures, 6 tables, and 17 references, 3 of which are Soviet.

ASSOCIATION: Kafedra analiticheskoy khimii (Chair for Analytical Chemistry)

SUBMITTED: April 15, 1958

Card 3/3

S/123/59/000/008/001/043  
A004/A002

Translation from: Referativnyy zhurnal, Mashinostroyeniye, 1959, No. 8, p. 12,  
# 28674

AUTHORS: Shteynberg, M. M., Sokolov, Ye. N., Varaksina, M. N.

TITLE: On the Problem of the Tendency of Metals to Brittle Failure

PERIODICAL: Tr. Ural'skogo politekhn. in-ta, 1958, Vol. 68, pp. 54-58

TEXT: Plastic deformation which is effected by monoaxial static tension leads to a considerable increase in breaking strength, which was determined during tensile tests at the temperature of liquid nitrogen. The intensity of such an increase depends on the alloy composition and the initial structure. Systematic data on the dependence of breaking strength on preliminary plastic deformation may be used for a more founded estimation of the tendency of alloys to brittle failure. Besides, such data make it possible, in a number of cases, to determine the breaking strength of some steels by the extrapolation method.

B. A. M.

Translator's note: This is the full translation of the original Russian abstract.

Card 1/1

SHMAKOVA, V.I.; YUZHAKOVA, N.N.; REZNICHENKO, V.G.; GLEBOV, I.T.; VOLKOV, A.S.;  
URZLYA, N.Ye.; BEKHTEREV, P.A.; RYS', G.I.; VORONINA, M.N.; GVOZDINTS-  
KIY, I.N.; VARAKSINA, M.P.; MASTERSKIKH, M.A.; GONCHAROVA, V.A.;  
BICHEVINA, A.N.; SOROKIN, M.A., red.; GRIN', Ye., tekhn.red.

[Economy of Altai Territory during the past 40 years; a statistical  
manual] Narodnoe khoziaistvo Altaiskogo kraia za 40 let. Sovetskoi  
vlasti; statisticheskii sbornik. Barnaul, Altaiskoe knizhnoe izd-vo,  
1957. 110 p. (MIRA 11:3)

1. Altayskiy kray. Statisticheskoye upravleniye. 2. Statisticheskoye upravleniya Altayskogo kraya (for all except Sorokin, Grin')
  1. 3. Nachal'nik Statisticheskogo upravleniya Altayskogo kraya (for Sorokin)
- (Altai territory--Statistics)

KHOL'KIN, Yu.I.; VARAKSINA, T.N.

Problems of wood chemistry and chemical technology. *Gidroliz.*  
i lesokhim. prom. 14 no.5:30-32 '61. (MIRA 16:7)

1. Institut lesa i drevesiny Sibirskogo otdeleniya AN SSSR.  
(Wood)

VARAKSINA, T.S.

Device for checking the axial play of micrometers. Izv.tekh. no.5:  
72-73 S-O '56. (MLRA 10:2)

(Micrometer)



VARAKSINA, T.S.

Insturments for checking micrometers. Izv.tekh. no.6:77-78 N-D  
'56.

(Micrometer--Testing)

(MIRA 10:1)

VARAKSINA, T. S., assistant

New instruments for checking micrometers. Vzaim. i tekhn. v  
mashinostr.; mezhvuz. sbor. no. 2: 351-363 '60. (MIRA 13:8)  
(Micrometer--Testing)

# TABLE I BOOK INFORMATION 307/435

Vysokomuyavymest: 1 tekhnicheskoye izmereniya v mashinostroyeni; metkivostroyeni shornik, no. 2 (Interchangeability and Measuring Measurements in Machinery Manufacture; University Collection, No. 2) Moscow, Nauka, 1980. 342 p. Errata slip inserted. 5,000 copies printed.

Ed.: A.I. Yakubov, Doctor of Technical Sciences, Professor; Editorial Council: A.I. Yakubov (Chairman); B.A. Taya, Doctor of Technical Sciences, Professor; Ye. I. Volodin, Doctor; E.S. Ganchev, Doctor; P.J. Gorbunov, Doctor; and O. Ye. Igumov, Doctor of Technical Sciences, Professor; Reviewers: M. Ye. Igumov, Doctor of Technical Sciences, Professor; Ed.: B.A. Taya; V.P. Korotkov, Candidate of Technical Sciences, Doctor; I.S. Varentsov, Candidate of Technical Sciences; and Ed. for Literature on Machine and Instrument Construction (Mashgiz): M.V. Ponomarev, Engineer; Ed. of Publishing House: G.P. Komolova; Tech. Ed.: T.P. Sokolova.

NOTES: This collection of articles is intended for scientific and technical personnel dealing with problems of interchangeability and engineering measurements in the machine and instrument industries.

Mikheevich, B.M. [Candidate of Technical Sciences], and M.I. Korotkov [Engineer], Optical Methods Measuring Method for Large Parts

Varshavskiy, T.S. New Methods for Checking the Microstructure

Rebrikovskiy, M.M. [Candidate of Technical Sciences], Use of Light Interference in Precision Measurements of Graded Scales and of Length Gauge

Vorobeyev, O. Ye. [Aspirant], New Optical-Mechanical Instrument for Linear Measurements

Orlovskiy, O.M. [Candidate of Technical Sciences], Synthesis of Instruments According to Accuracy Specifications

Kirpichnikov, V.V. Temperature Errors in Instruments With Hydraulic Amplification

Ivlev, N. M. [Candidate of Technical Sciences, Doctor], Analysis of Integral Characteristics of Surface Enginess

Voditskiy, A.M. [Candidate of Technical Sciences, Doctor], Investigation of Accuracy in Finishing of Parts on Machine Tools With Lapping Wheels

Shvachkin, A.V. [Candidate of Technical Sciences, Doctor], and A.V. Shvachkin [Engineer], Methods of Engineering Quality Control in Machine Construction

Kulsh, L.P. [Engineer], Methods for Measuring the Dimensions of Parts in [Part] Automation

## SECTION III. AUTOMATION OF CONTROL

Dobov, A.R. [Candidate of Technical Sciences, Doctor], Methods for Automating the Accuracy of Automatic Machine Tools with Transfer Machines

Levitskiy, G.M. [Professor], and B.M. Polyanskiy [Candidate of Technical Sciences, Doctor], New Methods of Feedback Control in the Automation of Grinding Operations

Ganchev, E.S. System of Setup Adjustment of Machine Tools by Using an Adjustable Sensitive Stop

Korotkovskiy, V.V. [Candidate of Technical Sciences, Doctor], and A.D. Kribzina, Replacement of Springs by Load in Feedback Control Devices

Artyukhin, A.V. [Engineer], Use of Optical Interference of [Power] Signals in Measuring Systems

Kolobovskiy, V.V., and A.R. Chertovskikh [Senior Instructor], New Methods of Feedback Dimensional Control

359

351

364

375

388

399

412

423

434

442

450

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469

506

523

VARAKSIN, T.S.

VARAKUTA, A.G., inzh. (Sverdlovsk)

Some problems of the improvement of the design of freight cars.  
Zhelez.dor.transp. 45 no.10:59-60 0 '63. (MIRA 16:11)

1. Ural'skoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo  
instituta zheleznodorozhnogo transporta Ministerstva putey soob-  
shcheniya.

BABETS, K.K., inzh.; VARAKUTA, V.B., inzh.; KOROGOD, V.M., inzh.

Review of "Labor safety in mines of the Krivoy Rog Basin" by  
V.G.Il'enko and others. Bezop.truda v prom. 4 no.10:36-37 0  
'60. (MIRA 13:11)

(Krivoy Rog Basin--Mining engineering--Safety measures)  
(Il'enko, V.G.)

VAPALJAI, V.

Facsimile telegraph system. p. 59.

MAGYAR HIRADASTECHINKA. (Hiradastechnikai Tudományos Egyesület) Budapest,  
Hungary. Vol. 10, no. 2, Apr. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 7, July 1959.  
Uncl.

VARALJAI, Vilmos; MAZGON, Sandor

Current problems of data transmission. Hir techn 15 no.7:199-205  
Jl '64.

1. Experimental Institute of the Hungarian Post Office. 2. Science  
Editor, "Hiradastechnika" (for Varaljai).

L 33623-66 T DJ

ACC NR: AP6025020

SOURCE CODE: HU/0005/65/071/011/0502/0504

AUTHOR: Szalay, Tibor; Varallyai, Laszlo; Porzsolt, Eva

ORG: Institute of Physical Chemistry, Kossuth Lajos University of Sciences, Debrecen  
(Kossuth Lajos Tudományegyetem Fizikai-Kémiai Intézet); Varallyai Hungarian Anti-Friction Bearing Works, Debrecen (Magyar Gordulocsapagy Művek)

TITLE: Determination of the water content of mineral oils by measuring the dielectric constant

SOURCE: Magyar kémiai folyóirat, v. 71, no. 11, 1965, 502-504

TOPIC TAGS: dielectric constant, mineral oil

ABSTRACT: Authors determined the water content of 0-20 apparatus oil by means of a device for the measurement of the dielectric constant. The described method makes it possible to determine the water content of different mineral oils in an exact and rapid manner both in batch operations and in continuous operations. Orig. art. has: 3 figures, 2 formulas, and 1 table. JPRS: 33,906

SUB CODE: 20 / SUBM DATE: 09Apr65 / ORIG REF: 003 / OTH REF: 003

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1ST AND 2ND CROPS																										3RD AND 4TH CROPS																									
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<p>✓ Potash conditions of Hungarian soils determined by the <i>Aspergillus</i> method.  <i>György VÁRALLYAY. Művelődési Közlöny 4, 382-7(1931).</i>—The <i>Aspergillus</i>  method is as reliable for the <math>K_2O</math> conditions of soils as the Neubauer method.  Q Q no FINÁLY</p>																																																			
<p>ASR-5L4 METALLURGICAL LITERATURE CLASSIFICATION</p>																																																			

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CA

Processes and Properties Index

Adsorption of phosphorus by soils. GYORGY VÁRALLYAY. *Kisérlet a Készlet* 35, 72 5(1932). - Failure of P fertilizers to improve yield may be caused not only by a P richness of the soil but also by the fact that the soil adsorbs a significant part of the P fertilizer and its content of soil P increases relatively very little. The P adsorption of soils should always be taken into account in the examn of the effects of P fertilizers. S. S. de Faria

ASB-55A METALLURGICAL LITERATURE CLASSIFICATION

15

*Aspergillus* method (for evaluating soil phosphorus). G. VARADAKY. *Mendocino* *Journal* 5, 119-26(1933).—The soil-sol. P can be detd. by the *Aspergillus* method. Soils which are highly adsorbent for P may appear by various methods to be poor in P, but are found not to react to P fertilization. B. C. A.

ASB. SLA METALLURGICAL LITERATURE CLASSIFICATION

**CA**

**15**

PROCESSING AND PROPERTY INDEX  
AND THE COVER

Ammmonia and nitrate contents of the soil. Gyrony Valahvey and Enire Fawr. Meritandisgi Kialdson A. & B. (Ed.). Soil samples should be kept for at least 1 month under optimal moisture, temp. and aeration conditions to reach a microbiological balance before detn. of NH<sub>3</sub> and nitrate. If the NH<sub>3</sub> and nitrate contents are low after this period N fertilization will probably have good effects.  
S. S. de Fusily

COMMON ELEMENTS

MATERIALS INDEX

METALLURGICAL LITERATURE CLASSIFICATION

CROSS REFERENCE

INDEX OF SUBJECTS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50																																																	
1ST AND 2ND EDITIONS													3RD AND 4TH EDITIONS																																				
PROCESSES AND PROPERTIES INDEX																																																	
<div style="float: left; width: 30%; font-size: 2em; transform: rotate(-15deg);">ca</div> <div style="float: right; width: 10%; font-size: 3em; transform: rotate(-15deg);">15</div> <div style="clear: both;"></div> <p>Cheap laboratory methods for the determination of fertilizer requirements of soils. György Várallyay. <i>Mezőgazdasági Kutatások</i> 6, 204-12 (1935); cf. C. A. 29: 878<sup>a</sup>.—Detna. should be made of (1) gravity according to Arany, (2) <math>P_2O_5</math> in aq. soln., (3) <math>CaCO_3</math> content, (4) hydrolytic acidity, (5) <i>Aspergillus niger</i> growth on 5 g. soil without addn. of P, (6) <i>A. niger</i> growth on 5 g. soil after fertilization with a <math>KH_2PO_4</math> soln., (7) <i>A. niger</i> growth on 2.5 g. soil without addn. of K, (8) <i>A. niger</i> growth on 2.5 g. soil after fertilization with <math>K_2SO_4</math> soln. and (9) nitrate + ammonia content of the soil after storage for 1 month under given conditions. The cost of above detna. is approx. 1 dollar, the time required for actual work is 3 hrs. and the results indicate satisfactorily whether or not the soil requires fertilization and what kind of fertilizer.</p> <p>1 ton is needed. Results on Hungarian soils are published in detail. S. S. de Finaiv</p>																																																	
AGRICULTURAL METALLURGICAL LITERATURE CLASSIFICATION																																																	
<div style="display: flex; justify-content: space-between;"> <div> <p>FROM SYMBLITH</p> <p>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50</p> </div> <div> <p>RELIST ONE</p> <p>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50</p> </div> </div>																																																	

COMMON ELEMENTS										COMMON VARIABLE MOIET									
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<p>Possibilities of using marl for soil improvement on the Hungarian Plain. György Várkonyi. <i>Magyarországi Kétföldsz. 9, 130-44(1936)</i>.--Subsoil layers often contain calcareous marl that can be used more economically than pure <math>\text{CaCO}_3</math> for soil improvement. Lab. expts. with such marls compared with the effect of pure <math>\text{CaCO}_3</math> show that <math>\text{pH}</math> values could well be increased. Hydrolytic acidity diminished and even disappeared in sandy soils.</p> <p style="text-align: right;">G. S. de Vries</p>																			
<p>ASA-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																			
<p>1ST DOZENS</p>										<p>2ND DOZENS</p>									
<p>3RD DOZENS</p>										<p>4TH DOZENS</p>									

12

PROCESSES AND PROPERTIES INDEX

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

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53

COMMON ELEMENTS		PROCESSING AND PROPERTIES INDEX	
<p>CA</p> <p>Changes of soil reaction and of content of plant nutrients. György Várallyay (Inst. Plant Breeding and Plant Selection, Mosonmagyaróvár, Hungary). <i>Köszöletgyi Közlemények</i> 46, 254-255 (1943); cf. C.A. 24, 50814. Untreated soil and soil fertilized with P and K and kept for 18 days at the same temp. and moisture content were examd. for plant-available phosphoric acid according to Egner, for plant-available K by the <i>Aspergillus</i> method, and for <math>NH_4</math> and nitrate. The differences enable an approx. forecast of probable crop responses to fertilization. During this "ripening procedure" the pH value of the soil decreased in acid samples more than in calcareous soils. Available P decreased in acid, inert soils but increased by 6-10% in calcareous soils. Available K increased insignificantly; ammonia and nitrate increased by 200-220%. Leaching had only an insignificant effect on P and K contents, but severely diminished ammonia and nitrate contents. 1 Plankly</p>		<p>15</p>	
<p>ASD-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>			
<p>EDOMI STIPBZJVA</p>		<p>EDOMI BOMAWW</p>	
<p>EDOMI STIPBZJVA</p>		<p>EDOMI BOMAWW</p>	



PROCESS AND PROPERTIES INDEX	
CA	Flame photometric determinations of potassium accord- ing to Nehring, Schachtel, and Riehm (Gyongy Varallany Inst. Plant Breeding and Plant Selection, Mosonmagyaróvár, Hungary). <i>Művelődésügyi Közlemények</i> 17, 95-104 (1944).—The methods of Nehring and Schacht- el (C.A. 31, 4477) give simply and quickly the K contents of soils and seem also to be suitable for detg the effects of K fertilization on K contents. Ca, Mg, and Na do not interfere if present in not too high amounts, if necessary, the addn. of primary or secondary NH <sub>4</sub> phosphate prevents their interference. <i>Aspergillus</i> values (wt. of mycelium in eg. to 2.5 g. soil) are twice the results obtained by the method of Nehring (mg. K <sub>2</sub> O in 100 g. soil). In soils contg. not too much lime and humus. The difference is much higher in soils rich in lime and humus. The method of Riehm (C.A. 38, 3065) is the least suitable of the three, since sepn. of the large quantities of Ca originating from Ca lactate is tedious and the soln. ob- tained is very dil. in respect to K; thus the measurement of galvanometer movements is rather difficult. I. P.
430-514 METALLURGICAL LITERATURE CLASSIFICATION	

*C.A.*

15

Experiments on the preservation of urine. György Várallyay and Olivér Kapp (Nagygyűrűsorúti Községi Intézet, Munkácsyváros, Hungary). *Agricola-mányi Szemle* 2, 100-14(1948).—Lab. expts. showed that air-tight closed containers give best results either with liquid urine or with urine absorbed by straw or peat. If urine was covered by a layer of used lubricating oil 90% of the original N content could be preserved during a storage for 5 months. Practically, a simple container of concrete when closed tightly or covered by an oil layer is effective for 3-4 months. Fully humified peat (as, e.g., the peat of Hamság near to Lake Fertő) proved to be less suitable as an absorbent for urine than imperfectly humified peat of Lake Balaton or common straw. In the saltpeter method of urine treatment the dosing of too much urine and the imperfect inhibition of drying caused significant N losses. If, e.g., 2.5 l. urine was absorbed by 1 kg. soil the loss on N amounted to 78% against 25% when 0.5 l. urine was used for 1 kg. soil.  
István Fényes

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

212

Possibility of fertilizer response of various Hungarian <sup>A</sup>  
soils - György Várallyay, *Agrokémia* 1, No. 5-6, 27-8  
(1949) - A table shows the possible responses of various  
types of Hungarian soils to P, N, K, and Ca fertilizers  
1. Finally

C17

New data on the treatment of liquid manure in manure  
yards. György Yárally and Olivér Kapp. *Agroklimatika*  
1, No. 8, 92 (1949). Beds in stables were prep. from  
500 kg. soil contg. moisture 25, P<sub>2</sub>O<sub>5</sub> 0.107, and K<sub>2</sub>O 0.217%  
mixed with 50 kg. straw and 1 kg. superphosphate contg.  
P<sub>2</sub>O<sub>5</sub> 16.0%. The beds (0.3 x 1 x 3 m.) were irrigated  
daily from Feb. 13 through May 3 with 5 l. liquid manure  
contg. N 0.72%, P<sub>2</sub>O<sub>5</sub> 0.1, and K<sub>2</sub>O 1.07%. At the end of  
this period the soil contained moisture 18.7%, N 0.165,  
P<sub>2</sub>O<sub>5</sub> 0.107, and K<sub>2</sub>O 0.108%. The material balance of the  
nutrients was: N, P<sub>2</sub>O<sub>5</sub>, and K<sub>2</sub>O introduced 1182, 1651,  
3570 g., resp., and obtained in the product 3044, 5301, and  
3318 g., resp. The loss in N content of liquid manure was  
48.2%. The N of the product consisted of 15% ammonia  
N and 24% nitrate N. István Fényes

CA

15

Utilization of sewage of cities. György Várady.  
Irodalom 2, 142 (1950). Sewage of the city of Szekes-  
fehervar contained moisture 75.0, org. matter 6.44, total  
N 0.001, total K<sub>2</sub>O 0.004, and total P<sub>2</sub>O<sub>5</sub> 0.045%. For  
agricultural use this sewage should be diluted with 3 vol. irri-  
gation water. Under conditions prevailing in Hungary any  
sewage contg. more than 50 mg/l. N should be diluted before  
use as irrigating water. Istvan Endry

# Differences and biological fluctuations in the content of

readily soluble nutrients of soils. György Várallyay and use. The temp. of the lab. may also affect the results. Hida Keresztény (Agr. Expt. Inst., Mosonmagyaróvár, especially in the case of calcareous soils. The leaching of Hung.). *Agrokémia és Talajtan* 1, 401-24(1952).—The effect of rain and snow on soil nutrients was insignificant in nutrient content of soils as determined by chemical methods, show the case of  $P_2O_5$ , but was considerable in the case of nitrate N. Fluctuations which may be due to errors caused by the technique of sampling and the technique of analysis. The change in soil nutrient content during the winter months is not significant.

1. The results of the present study show that the content of readily soluble nutrients in soils is not significantly affected by the weather conditions during the winter months. The leaching of nutrients is not significant in the case of  $P_2O_5$ , but is considerable in the case of nitrate N. The fluctuations in nutrient content are due to errors in the technique of sampling and analysis.

SZABOLCS, Istvan; VARALLYAY, Gyorgy; MIKLAY, Frigyes

Alkali soils in the Dunantul. I. Agrokem talajtan 11 no.2:161-184. Je '62.

1. Magyar Tudományos Akadémia Talajtani és Agrokémiai Kutató Intézete, Budapest, és Országos Mezőgazdasági Minőségvizsgáló Intézet Talajtani Osztálya, Mosonmagyaróvár. 2. "Agrokémia és Talajtan" főszerkesztője (for Szabolcs).

VARALLIAY, Gyorgy

Some problems relating to alkali soil research and genetic  
soil mapping in the Bulgarian People's Republic. Agrohem  
talajtan 12 no.2:329-334 JI '63.



VARALLYAY, Gyorgy

Alkali soils of the Dunantul. Pt.2. Agrochem talajtan 13  
no.1/2:3-24 J1 '64.

1. Research Institute of Soil Science and Agrochemistry of the  
Hungarian Academy of Sciences, Budapest.

SZUCS, L.; VAKALLYAY, Gy.

Large-scale genetic soil maps applied in agriculture. *Agrokém  
talajtan* 13 Suppl.:191-193 My '64.

1. Research Institute of Soil Science and Agricultural Chemistry  
of the Hungarian Academy of Sciences, Budapest.

KESZTHELYI, Mihaly, Dr.; VARALLYAY, Istvan, Dr.; DEMENY, Peter, Dr.

Mass incidence of acute nephritis in small community. Orv. hetil.  
99 no.51:1792-1793 21 Dec 58.

1. A Debreceni Orvostudományi Egyetem I. sz. Belklinikájának (igazgató:  
Fornet Bela dr. egyet. tanár) és Kózegezésügyi Intézetének (igazgató:  
Jeney Endre dr. egyet. tanár) közleménye.

(NEPHRITIS, etiol. & pathogen.

streptoc., outbreak in small Hungarian community (Hun))

(STREPTOCOCCAL INFECTIONS, epidemiol.

nephritis outbreak in small Hungarian community (Hun))

PAPP, Lajos, dr.; VARALLYAY, Laszlo

Determination of magnesium in globular cast iron. Koh lap 95  
no.12:Suppl.:Ontdfe 13 no.12:278-279 D '62.

1. Gorduloc sapagygyar, Debrecen.

VARAMEZOV, S.P.

"An Investigation of the Work of the Auger Pulling Leveling  
and Cutting Devices of a Beet-harvesting Combine in Order to Determine  
the Basis of the Parameters of Electric Drive";  
dissertation for the degree of Candidate of Technical Sciences  
(awarded by the Timiryazev Agricultural Academy, 1962)

(Izvestiya Timiryazevskoy Sel'skokhozyaystvennoy Akademii, Moscow, No. 2,  
1963, pp 232-236)

L 28882-66 EWI(m)/EWP(t)/ETI- IJP(G) RDW/JD

ACC NR: AP6017881 (N) SOURCE CODE: UR/0062/66/000/005/0934/0935

AUTHOR: Shul'man, V. M.; Varand, V. L. 23  
B

ORG: Institute of Inorganic Chemistry, Siberian Department, Academy of Sciences SSSR (Institut neorganicheskoy khimii Sibirskogo otdeleniya Akademii nauk SSSR)

TITLE: Preparation of copper<sup>27</sup>, cadmium<sup>27</sup>, cobalt<sup>27</sup> or nickel<sup>27</sup> selenides by reduction of selenites in aqueous solutions

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 5, 1966, 934-935

TOPIC TAGS: inorganic  
selenide, synthesis, metal selenite reduction, sodium dithionite

ABSTRACT: Copper, cadmium, cobalt or nickel selenides of stoichiometric composition have been prepared in the laboratory by reduction of the respective selenites with sodium dithionite in an alkaline medium. The procedure is described in the source. Orig. art. has: 1 table. [B0]

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kand.ekon.nauk; KORNEYEV, A.M., doktor ekon.nauk; OPATSKIY, L.V.,  
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